

AQUABRIGHT™



PET can undergo a color shift when exposed to heat or shear during the recycling process, changing from clean and clear to yellow, green or even brown. This discoloration creates an undesirable appearance for many applications, driving the need for color correction.

Sustainability and Economics

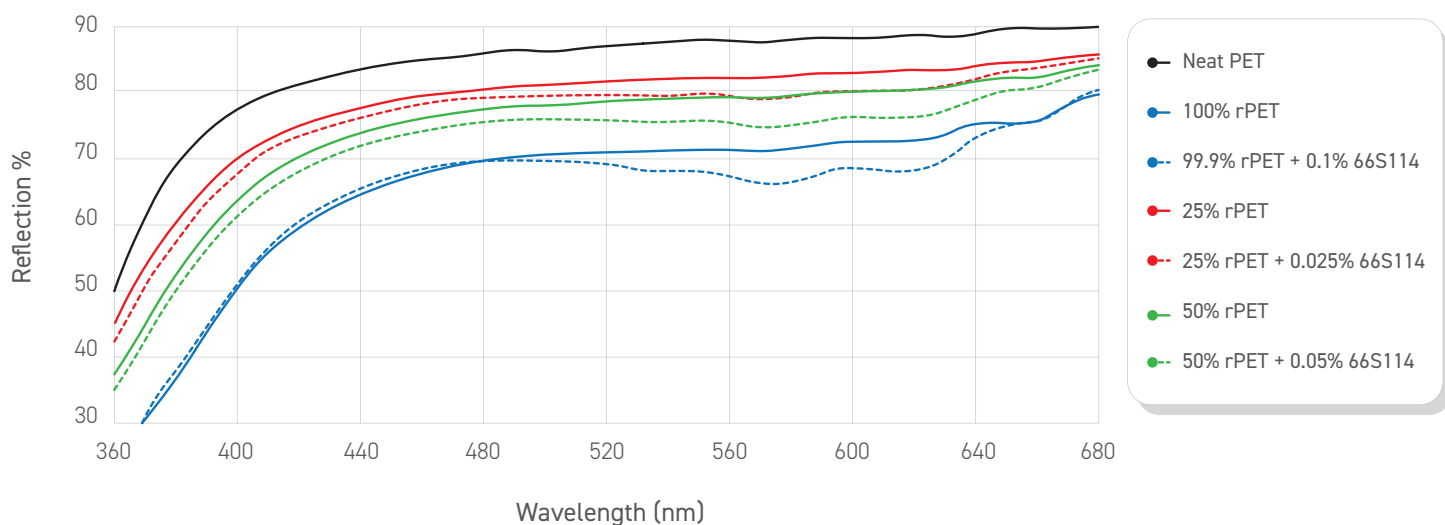
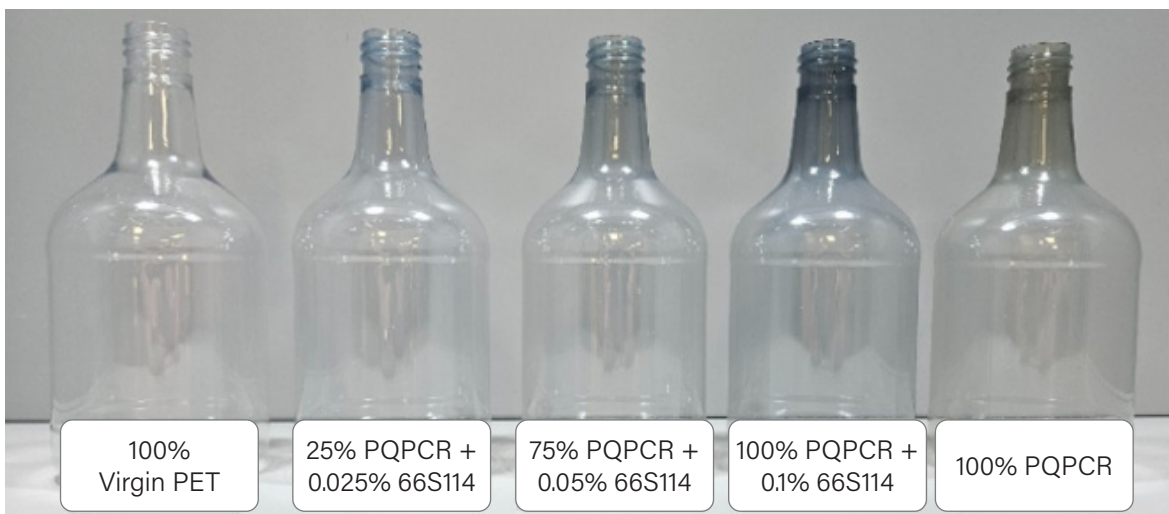
The ability to adjust rPET from an undesirable product to a usable PET substrate increases its utilization and application potential. In most cases, the less desirable rPET grades that fall into the “dirtier and darker” classification, come with a lower cost. This not only brings an opportunity to improve the sustainability of your package but to do so with cost savings. The ability to turn sub-prime material into a usable and desirable polymer option brings immense value to PET packaging and the industry-wide efforts toward sustainability.

Functionality

Our Aquabright™ color-correcting products do so without optical brighteners which are classified as detrimental to the recycling stream. By utilizing different combinations of coloration, determined by the color of the rPET being corrected, the undesirable color is canceled out, shifting transparency back closer to virgin PET.



PCR grade, inclusion rate, article properties, and end-use application specifications will drive our approach to your product solution, ensuring it achieves your desired outcomes. A consultation with Penn Color will determine whether we deploy an off-the-shelf Aquabright™ solution or a customized product in a pellet or a liquid, to fit your unique application.



Our Aquabright™ technology, in some cases, can be “bundled” with other functional additives, such as AA Scavengers, for a one-pellet solution. You can find our products across the globe at all Penn Color locations. Aquabrights™ are designed for use in Injection Molding, Injection Stretch Blow Molding, BOPET, and Sheet Extrusion across Food and Beverage, Personal Care, Home Care, and many other end markets where recycled PET is used.

IMPORTANT INFORMATION

ISO 9001 Certified

LDR recommendation is intended for guidance only and may need to be adjusted based on performance, processing method and regulatory requirements. Detailed compliance documentation can be provided by Penn Color’s Product Stewardship Department upon request. However, be advised it is the responsibility of the user to assess its product uses and applications and assure compliance to all applicable laws and regulations, including FDA 21 CFR and EU food contact status. Regional coding suffixes may apply.